



भारत का राजपत्र

The Gazette of India

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No. 17] NEW DELHI, SATURDAY, APRIL 23, 1994 (VAISAKHA 3, 1916)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के स्पष्ट में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 23rd April 1994

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The States of Gujarat,
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and the Union Territories of Goa,
Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address 'PATOFFICE'.

Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

The States of Haryana,
Himachal Pradesh, Jammu and
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1—37GI/94

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The States of Andhra Pradesh,
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Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),
"NIZAM PALACE", 2nd M.S.O.
Building, 5th, 6th and 7th
Floor, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

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पेटेंट कार्यालय
एकस्व तथा अभिकल्प
कलकत्ता, दिनांक 23 अप्रैल 1994

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है, तथा बम्बई, विल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनमें ग्रामीणक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रबर्द्धित हैं :—

पेटेंट कार्यालय शाखा, टॉडी इस्टेंट,
तीसरा तल, नोउर परेल (पश्चिम),
बम्बई-400013।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा
दीप एवं दादरा और नगर हवेली।

तार पता—“पेटोफिस”

पेटेंट कार्यालय शाखा,
एक सं 401 से 405, तीसरा तल,
नगरालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नड़े दिल्ली-110005।

हीरापाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ भास्ति क्षेत्र चंडीगढ़ तथा विल्ली।

तार पता—“पेटोफिक्स”

पेटेंट कार्यालय शाखा,
61, बालाशाह रोड,
मद्रास-600002।

गान्धी प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य
क्षेत्र एवं संघ शासित क्षेत्र पारिष्ठारी, लक्षद्वीप,
मिनिकाय तथा एमिनिदिवि द्वीप।

तार पता—“पेटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, दिवतीय बहुतीय कार्यालय,
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020।

भारत का अवधेष भ्रंत्र।

तार पता—“पेटेंटस”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में जपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क :—शुल्कों की अदादगी या तो नक्षद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य भुगताने के अवधारणा या उन्होंने उपयुक्त कार्यालय अवस्थित है; उस स्थान के उन्नति दर्तक से नियंत्रक को भुगतान योग्य दर्तक छाप्ट अध्ययन दर्तक द्वारा की जा सकती है।

ALTERATION OF ADDRESS OF PRINCIPAL PLACE OF BUSINESS UNDER RULE 103 OF THE PATENTS RULES, 1972

In pursuance of an application on Form-52 filed on 14th January 1994, the address of principal place of business of the Registered Patent Agent has been altered to :—

F. S. Groser,
D-1/5, Qutab Enclave,
Phase-1, Gurgaon-122 002,
Haryana, India.

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE AT 234/4, ACHARYA JAGADISH BOSCH ROAD, CALCUTTA-20

The dates shown in the crescent branch are the dates claimed under section 135, of the Patent Act, 1970

28th February 1994

120/Cal/94. Bidhan Ghosh. Modified Carburetter for Automobile Vehicles.

121/Cal/94. Metallgesellschaft Aktiengesellschaft. Waelz process for treating materials which contain oxides of Zinc Lead and Iron.

122/Cal/94. IBP Co., Ltd. A water Gel slurry explosive composition.

01st March 1994

123/Cal/94. Zimpro Environmental Inc. Treatment of highly colored wasterwaters.

02nd March 1994

124 Cal/94. SEB S. A. Method for fixing a grid or perforated plate to the bottom of a cooking vessel.

125/Cal/94. Trutan Pvt. Limited. Improvements in and relating to three dimensional imagery.

03rd March 1994

126/Cal/94. Mitsui Petrochemical industries, Ltd. Process and apparatus for producing tere phthalic acid.

127/Cal/94. Frowa Ag. An apparatus for clamping a work piece at a work station of a machining apparatus in a well defined position.

04th March 1994

128/Cal/94. Ulli Rotermund. Method and device for regenerating voltage supply elements in the form of primary elements.

129/Cal/94. Gilbert De Beleyr. Device for Moistening Fabric material which is spooled on at least a hollow bobbin case.

130/Cal/94. C W Praat. Vehicle inspection pit.
(Convention No. 9304413.9; dated 4-3-93; U.K.)

131/Cal/94. Mr Siddhartha Barthakur. A toy lift.

07th March 1994

132/Cal/94. Heinrich Muhlinghaus. Device for trapping, observing and transporting insects, spiders and other small animals.

133/Cal/94. Hydra Tools international plc. Rotary metal cutting tool. (Convention No. 9304838.7; dated 9-3-93; Great Britain).

134/Cal/94. (1) ABB Lummus crest inc. and (2) Nitrocarbono S.A. Peroxidation of secondary carbon in alkanes and cycloalkanes.

135/Cal/94. Memminger-Iro GmbH. Yarn or thread creel with air circulation.

136/Cal/94. The mead corporation. Tubular carton having triangular corner panels.

137/Cal/94. Daya Ranjit Senanayake Floating chimney. (Convention No. 10499; dated 11-3-93; Sri Lanka).

138/Cal/94. (1) Dipak Sarkar (2) Cemindia Company Limited. Construction of isolation stopping by dry packings and colgrouting from surface against underground fire in mines.

08th March 1994

139/Cal/94. Remy Linus. A novel engine for driving automobiles and other machines.

140/Cal/94. Daya Ranjit Senanayake. Solar chimney arrangement. (Convention No. 10498; 10613; dated 11-3-93; 08-2-94; Sri Lanka).

141/Cal/94. Callaway Golf Company. Iron golf club head with dual intersecting recesses.

09th March 1994

142/Cal/94. British Nuclear Fuels Plc. Loading nuclear fuel pellets into cladding tubes.

143/Cal/94. The Babcock & Wilcox Company. Method and apparatus for controlling the bed temperature in a circulating fluidized bed reactor.

144/Cal/94. Hitachi, Ltd. Process adaptive control method and process control system.

145/Cal/94 McNeil-PPC, Inc. Compatible polymeric blends containing polyvinyl alcohol.

146/Cal/94. McNeil-PPC, Inc. Improved compatible polymeric blends containing polyvinyl alcohol.

147/Cal/94. E.I. Du Pont De Nemours and company. Process for reducing the flammability of aramids.

148/Cal/94. Prof. Lozan Georgiev stoimenov. System of equipment for a football type game.

10th March 1994

149/Cal/94. Shri Ananta Purkayastha. Water-Level Indicator.

150/Cal/94. ICI India Limited. and Zeneca Limited. A process for the preparation of novel N-Substituted-8-oxo-substituted indeno[3, 2-D]isothiazolinone derivatives.

151/Cal/94. ICI India Limited. and Zeneca Limited. A process for the preparation of novel N-Substituted Alkyl 4, 5-Disubstituted isothiazolin-3-one derivatives.

152/Cal/94. Biran Kumar Pathak. Regenerative braking and oscillatory energy retrieval and reutilization system for vehicles comprising two or more wheeled segments like railway, tram, trailers cars or the like vehicles.

11th March 1994

153/Cal/94. Dr. Anil Krishna Kar. Water-proofing and heat insulation systems for roof or like structures and process for providing said system on a roof or like structure.

154/Cal/94. (1) Siemens Medical systems, Inc. and (2) Mitsubishi electric industrial co. Ltd. Partial Beam-forming.

155/Cal/94. (1) Siemens Medical systems, Inc. and (2) Mitsubishi electric Industrial co. Ltd. Digital beam-former having multi-phase parallel processing.

156/Cal/94. (1) Hoechst Aktiengesellschaft. and (2) Siemens Aktiengesellschaft. Phosphorus-Modified epoxy resins, process for the preparation thereof and use thereof.

157/Cal/94. (1) Hoechst Aktiengesellschaft. and (2) Siemens Aktiengesellschaft. Phosphorous-Modified epoxy resins, process for the preparation thereof and use thereof.

15th March 1994

158/Cal/94. Santanu Roy. A process for preparing novel blowing agents and polymeric products made therewith. (Addition out of No. 200/Cal/91; dated 25-10-91).

159/Cal/94. Krone Aktiengesellschaft. Cable branching device.

160/Cal/94. Johnson & Johnson Medical Inc. Ointment for wound treatment. (Convention No. 9306039.0 dated 23-03-1993; U.K.).

161/Cal/94. Orbital fluid technologies, Inc. Two-stage fuel delivery system for an internal combustion engine.

162/Cal/94. Synepos Ag Schellenberg. Aluminium containing pharmaceutical preparation with controlled release inhibiting the absorption of aluminium and process for manufacture of said preparation.

16th March 1994

163/Cal/94. Franz plasser Bahnbaumaschinen-Industriegesellschaft m.b.H. A loading vehicle for transporting and storing bulk material.

164/Cal/94. Adhar Sahijram Mirchandani. Improved water flushing device.

165/Cal/94. Siemens Aktiengesellschaft. Transducer for supplying a fluid which is under a measuring pressure corresponding to a rotational speed.

166/Cal/94. Siemens Aktiengesellschaft. Method and closedloop control arrangements for the transmission of direct current.

167/Cal/94. Teijin Seiki Co. A cooling apparatus of a false texturing machine.

168/Cal/94. Maschinenfabrik Gustav Eirich. An apparatus for finding out the characteristics of casting works moulding sand.

169/Cal/94. Wagner Mining and Construction equipment co. Articulated vehicle and hinge assembly.

17th March 1994

170/Cal/94. Belden wire & Cable company. Twisted Parallel cable.

171/Cal/94. Bhattacharya Foundation. Human aids vaccine from revertant cattle virus.

172/Cal/94. Zimpro environmental inc. Low Temperature caustic sulfide wet oxidation process.

173/Cal/94. The Babcock & Wilcox Company. Black Liquor Gasifier.

174/Cal/94. Shri Sanatan Sahoo. A process of manufacturing of leather board from chrome shavings
18th March 1994

175/Cal/94. Saint-Gobain Vitrage International. Throat for the transfer of molten glass.

176/Cal/94. Saint-Gobain Vitrage International. Process and apparatus for melting glass.

177/Cal/94. Ciucani Merio. Method for performing a seam on various articles, particularly leather articles, and machine that carries out the method.

178/Cal/94. Siemens Aktiengesellschaft. Reactor pressure vessel with limited failure zones.

179/Cal/94. La-Z-Boy Chair company. Modular reclining chair and method.

180/Cal/94. Krupp Industietechnik Gesellschaft. Mit Beschränkter Haftung. Hydraulic chain tensioning the crawler chains of crawler vehicles.

**APPLICATION FOR PATENTS FILED THE
PATENT OFFICE BRANCH, TODI ESTATES, THIRD
FLOOR, SUN MILL COMPOUND, LOWER PAREL
(WEST) BOMBAY-13**

7th January 1994

1/BOM/94. Ravindra Krishnaji Patwardhan. D. V. Mardhekar & R. S. Pandit. International Time Indicating System.

2/BOM/94. Century Textiles & Industries Ltd. An environment friendly, safe and economical batchwise method of dyeing cellulose material with liquid sulphur black tye.

3/BOM/94. Klenzaids Bioclean Devices (P) Ltd. Sterile Air wheel chair.

10th January 1994

4/BOM/94. Mauser-Weke GmbH. A pallet container.
11th January 1994

5/BOM/94. Centa Antriebe Kirschey GmbH. Tensionally Flexible shaft coupling.

6/BOM/94. Arun Gajanan Khadikar. Improvements in the conversion of sugar process from condensation to back pressure-cum extraction.

7/BOM/94. Deepak Vinod Shah. An improved polyethylene milk can.

8/BOM/94. Hindustan Lever Ltd. Coconut cream Alternative.

9/BOM/94. Hindustan Lever Ltd. Perfumed Laundry Detergent powders.

12th January 1994

10/BOM/94. Maharaj Krishen Mehta. A device for orientating Asymmetrical objects, for onward processing particularly, packaging.

11/BOM/94. Mahendra Singh Chud Singh. Clutch plate.

14th January 1994

12/BOM/94. Dilip Shantaram Dahanukar. Device and process for extracting potable water from fruits, vegetable and the like.

13/BOM/94. Ecomax Agro Systems Ltd. Automatic device for soil irrigation and system for irrigating, aerating shallow/deep rooted agricultural farms./ gardens and the like by said device.

17th January 1994

14/BOM/94. Ravindrakumar Ramjibhai Yadav. Improvement in and relating to safety razor including twin blade razor shaving system.

15/BOM/94. Sushil Sadanand Potdar, Sunil Sadanand Potdar and Sou. Robini Sadanand Potdar. Improvements in electrical kerosene gas stove, in which kerosene oil gets vapourised into gaseous form for generating flame.

16/BOM/94. Bajaj Auto Ltd. Valve controlled transfer port 2 stroke engine.

18th January 1994

17/BOM/94. Shilchar Electronics Pvt Ltd. Constant Level Oiler.

19th January 1994

18/BOM/94. Ravi Kamal Bali. An improved temper proof seal directly locking the container having a lock-ring.

20th January 1994

19/BOM/94. Surendra Dattatraya Tendolkar. For stitching with a linearly moving bobin in a sewing machine.

24th January 1994

20/BOM/94. Hindustan Lever Ltd. Improvements in or relating to carbonation.

21/BOM/94. Dr. Pradeep Bhaskar Parab. Adaptation of antibody secretory hybrid cell line to soybean liquid supplemented goat serum.

22/BOM/94. Karikkada Chinnappan Yesudas & 5 Others. High output stove having three heat exchangers.

25th January 1994

23/BOM/94. Viddydhar Sharatchandra Ranade. & Virendra Viddydhar Ranade. A sludge separator which is an economical and efficient appliance for processing industrial, or other liquid effluents, for segregating the suspended matter from the liquid medium.

24/BOM/94. Hindustan Lever Ltd. Composition.

25/BOM/94. Hindustan Lever Ltd. Preparation.

26/BOM/94. Klenzaids Bioclean Devices (P) Ltd. Method and apparatus for protecting immuno-impaired patients.

27/BOM/94. Bhabha Atomic Research Centre. A biocatalyst for the preparation of invert sugar syrup from aqueous sucrose solution and method of making the same.

28/BOM/94. Bhabha Atomic Research Centre. A continuous single step bio-catalytic process for the preparation of invert sugar syrup from aqueous sucrose solution and a bioreactor for carrying out the same.

27th January 1994

29/BOM/94. Pidilite Industries Ltd. Dispenser for dispensing viscous liquids such as, adhesives.

30/BOM/94. Narayan Narsinha Desai. Impelling devices such as pumps.

28th January 1994

31/BOM/94. Dr. Bosco Henriques. Apparatus for transfer of protein from the gel on to membrane.

32/BOM/94. Hindustan Lever Limited. U. K. Priority dt. 28-1-93 & 5-4-93. Fabric Softening composition.

33/BOM/94. Kersi Nassarwanji Nikorawalla. An improved process of manufacturing 2,6 dichloro-4-nitroaniline.

34/BOM/94. Widem Machines Pvt. Ltd. Device for providing a readable output of a manually generated signal as compared with a generated reference signal.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS 600 002.

11th February 1994

189/MAS/94. Sendhamangalam Parthasarathy Gopalakrishnan. Sun-shade cum burglar proof wind-shield cover lock.

90/MAS/94. Denzyme Aps. Improved method for the refolding of proteins.

91/MAS/94. Kabushiki Kaisha Toyoda Jidoshokki Seisaku-sho. Spindle tape tension apparatus for spinning machine.

92/MAS/94. Kabushiki Kaisha Toyoda Jidoshokki Seisaku-sho. Middle bottom roller drive mechanism for fine spinning frame.

93/MAS/94. Alcatel Dial Face S.p.A. Piezoceramic capsule for telephone instruments.

15th February 1994

94/MAS/94. Philip Morris Products Inc. Electric smoking system for delivering flavours and methods for making same.

95/MAS/94. CEBAL SA. Tube for the storage and distribution of a product which is for example flavoured or scented and which contains water.

96/MAS/94. Barmag AG. Spinning system for thermoplastic strands.

97/MAS/94. Magnex Corporation. Slider for miniature transducer.

98/MAS/94. Magnex Corporation. Thin film transducer and separated transformer.

99/MAS/94. Magnex Corporation. Thin film transducer with coil guard segment.

16th February 1994

100/MAS/94. Palitex Project Company GmbH. A spindle for producing a yarn or twist.

101/MAS/94. Palitex Project-Company GmbH. Spindle for producing a yarn or twist.

102/MAS/94. Hamel AG. A method of building up a specific thread reserve on a rotating balloon limiter of a multiple-wire twisting spindle and a multiple-wire twisting spindle having a rotating balloon limiter.

103/MAS/94. Mitsubishi Cable Industries, Ltd.. Foamable organic polymer composition and production of foamed article.

104/MAS/94. Fisher Controls International, Inc. Rotary noise attenuator.

105/MAS/94. Chartec Laboratories A/S. Method and apparatus for battery charging.

17th February 1994

106/MAS/94. Naman Venkata Satya Surya Prasad. Electric water purifier.

107/MAS/94. B. Raja Rao. A method of manufacture of earth electrode to improve its life.

108/MAS/94. Maschinenfabrik Rieter AG. A nip position for laps.

109/MAS/94. George J. Coates. Improved spherical rotary valve assembly for use in a rotary valve internal combustion engine.

110/MAS/94. Dragisa Andric and Borislav Stojanovic. Security paper with color mark.

111/MAS/94. Natturajan, I. Clay 2. Ramming Mass 3. Resin burned Do-Lo-Mite Bricks (or) basic refractory bricks.

112/MAS/94. Dr. Jose Thukat'il. Wick lamp

21st February 1994

113/MAS/94. Bal Coatings Limited. Rotor Blades. (February 25, 1993; United Kingdom).

22nd February 1994

114/MAS/94. M V S. Raju. Reclamation of sericin free water for reuse from waste effluents and protection of silk lustre in silk industry.

115/MAS/94. Stephen V. Allison. A self cleaning filter device for solar powered drip irrigation systems.

116/MAS/94. Advanced Phytonics Limited. Fragrance extraction. (February 22, 1993; United Kingdom).

117/MAS/94. Nuova Roj Electrotex S.r.l., Yarn feeder.

23rd February 1994

118/MAS/94. Vittal Mallya Scientific Research Foundation. A process for separation and purification of proteins.

119/MAS/94. The Trustees of Princeton University. Solution and solid-phase formation of glycosidic linkages.

120/MAS/94. Schlumberger Industries S.A.. Modulated Dither signal

121/MAS/94. Kimberly-Clark Corporation. Breathable, cloth-like film nonwoven composite.

24th February 1994

122/MAS/94. HMT Limited. Indexing mechanism for in-process multidimeter gauge for a CNC cylindrical grinding machine.

123/MAS/94. Chung Hsin Chen. Two-stroke-cycle engine.

124/MAS/94. Amsted Industries Incorporated. Railway wheel and method of manufacture.

125/MAS/94. Owens-Brockway Glass Container Inc., multiple orifice glass feed system.

126/MAS/94. Owens-Brockway Glass Container Inc. Mold cooling apparatus for a glassware forming machine.

25th February 1994

127/MAS/94. Mysore Sandal Products. A method of issuing pamphlet containing real stories connected with jasmine perfume, along with jasmine perfumes (absolute step real or scientific).

128/MAS/94. Ciba-Geigy AG. Process for the production of fine granules.

129/MAS/94. Dev Raviv. Launching vehicle.

130/MAS/94. Cabot Corporation. Carbon blacks.

131/MAS/94. Henkel Kommanditgesellschaft Aktien. An improved process for the distillation based separation of multicomponent mixtures by steaming.

28th February 1994

132/MAS/94. D. Muruganandam and K. Purushothaman. A non-ozone depleting eco-friendly refrigerant.

133/MAS/94. Asturiana De Zinc S.A.. A cathode for the electrolytic deposition of non-ferrous metals.

134/MAS/94. Asturiana De Zinc S.A.. A cleaning system for electrolytic tanks.

135/MAS/94. Asturiana De Zinc S.A.. A procedure and machine for cleaning the anodes of electrolytic tanks.

136/MAS/94. Institut Francais Du Petrole and Coflexip. Method of manufacturing an elongate element composed of a composite material with an aluminium alloy matrix intended for the manufacture of an armoured flexible pipe. (Divisional to Patent Application No. 414/MAS/90).

1st March, 1994

137/MAS/94. Maschinenfabrik Rieter AG. An apparatus for stretching a synthetic yarn in a stretching bath.

138/MAS/94. Ebara Corporation. Pressurized internal circulating fluidized bed boiler.

2nd March, 1994

139/MAS/94. Rasheed. Toggle board attached with heat controller.

140/MAS/94. R. Devakibalan. Woman's condom/contraceptive.

141/MAS/94. Girivas Viswanath Shet. Preparing coconut cake sweets, biscuits & chocolates from coconut residue, or matured coconut protein, or matured coconut cream residue.

142/MAS/94. AKZO NV. Apparatus for melt spinning multifilament yarns and use thereof.

143/MAS/94. Chevron Research and Technology Company. A process for producing heavy lubricating oil having a low pour point.

144/MAS/94. Zellweger Uster AG. Method for determining the structure of yarns in the region of their surface.

145/MAS/94. Maschinenfabrik Richter AG. Method for the operation of a spinning machine and spinning machines.

146/MAS/94. Roshera S. A.. Mixer cartridge for plumbing.

3rd March, 1994.

147/MAS/94. B. Narayanan & B. Balakrishnan. An air freshener based on the oil/juice extracted from the plant ocimum sanctum.

148/MAS/94. B. Narayanan & B. Balakrishnan. A process to soften jute yarn.

149/MAS/94. Officina Meccanica Biancalani & C. di Biancalani Florenzo & C. S. n. c. Machine for the treatment of fabric in cord form, with rollers incorporating electric driving motors, for fulling and for other operations.

150/MAS/94. Nuovopignone - Industrie Meccaniche & Fonderia S. p. A. Improved distributor for heat exchanger with anticorrosive lining.

4th March, 1994

151/MAS/94. Ramasamy Kunar. Dual purpose gas stove

152/MAS/94. Balakrishnan Jagannathan. A multipurpose dry, wet, masala grinder, with floating rollers.

153/MAS/94. Wabash National Corporation. A ramp apparatus for raising and lowering an intermodal highway trailer onto an intermodal railtruck. (September 18, 1989; Canada). (Divisional to Patent Application No. 871/MAS/89).

7th March, 1994.

154/MAS/94. Uppinangady Varadaraya Nayak. A razor head particularly for twin blade razor and a razor having the razor head.

155/MAS/94. G.S.R. Krishna. Manufacturing of soluble silicates.

156/MAS/94. Indian Institute of Technology. A device for in-process monitoring of surface finish of a work-piece during manufacture.

157/MAS/94. Snamprogetti S. p. A. . Process for synthesizing urea from ammonia and carbon dioxide, with total carbon dioxide conversion.

158/MAS/94. American Telephone and Telegraph Company. Method and apparatus for ringing telephone stations.

159/MAS/94. Hoechst Aktiengesellschaft. Process for preparing a catalyst system for the polymerization and copolymerization of ethylene to ultrahigh molecular weight ethylene homo and copolymers.

160/MAS/94. BASF Aktiengesellschaft. Dyeing cellulose-containing textile material with hydrogenated indigo.

8th March, 1994

161/MAS/94. Masami Sangyo Co., Ltd.. Dough squeezing nozzle in a food processing machine.

162/MAS/94. Minnesota Mining and Manufacturing Company. Loop fastener material storage/dispensing assembly.

163/MAS/94 ILF Atochem S. A.. Impact-resistant transparent thermoplastic compositions based on polymethyl methacrylate with improved neat behaviour.

164/MAS/94. Lipman Electronic Engineering Ltd . Method and apparatus for filling-out individual forms, particularly lottery forms.

9th March, 1994.

165/MAS/94. John Crane Inc., Split mechanical face seal.

166/MAS/94. ZF Friedrichshafen AG. Hydrostatic mechanical gearbox for driving a mixer drum.

167/MAS/94. Sofima AG. A method and a device for separating deposits from filter aids.

168/MAS/94. Sofima AG. A method and a device for sonicating and transmitting vibrations to a sonication liquid containing particles.

10th March, 1994.

169/MAS/94. Thirumalai Anandampillai Vijayan. A domestic multi brush.

170/MAS/94. Shionogi & CO. LTD. Process for producing alkoxyiminoacetamide compounds.

171/MAS/94. Ortho-Tain, A multi-racial performed orthodontic treatment appliance

11th March, 1994.

172/MAS/94. Mitsubishi Denki Kabushiki Kaisha. Switching apparatus.

173/MAS/94. Westaim Technologies Inc.. Enhanced microtitre plate and immunoassays conducted therin.

174/MAS/94. ABB Management AG. Gas turbine group.

COMPLETE SPECIFICATION ACCEPTED

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्भारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेट अनुवान का विचार करने के इच्छुक कोई व्यक्ति, इसके निर्गम की हितिह से चार(4) महीने या अधिक ऐसी अवधि औ उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की उद्धित से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को उपयुक्त कार्यालय को ऐसे विचार की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वकाल्य, उक्त सूचना के साथ अथवा पेटेट नियम, 1972 के नियम 36 में यथाविहित हम की हितिह के एक महीने के भीतर ही काफ़िल किए जाने चाहिए।

भारतीय वर्गीकरण तथा अंतर-गण्डीय वर्गीकरण के अनुस्तुप हैं।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण,

स्पांकन (चित्र आरेंसों) की फ्लेटों प्रतिपां यदि कोई हों, के साथ दिनिर्देशों की टाईकित अथवा फ्लेटों प्रतिपां की आपूर्ति पेटेट कार्यालय, कलकत्ता अथवा उपयुक्त शासा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-बद्धहार द्वारा सुनिश्चित करने के उपरांत उसकी उदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संस्था के माध्यमें एक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेंसों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फ्लेटों लिप्यान्तरण प्रभार का गणित किया जा सकता है।

Applicant : LANXIDE TECHNOLOGY COMPANY, LP, of Tralee Industrial Park, Newark, Delaware 19714-6077, United States of America.

Inventors : (1) RATNESH KUMAR DWIVEDI, (2) JOHN THOMAS BURKE.

Application No. 806/Cal/89 filed on 29th September, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

39 Claims

A method for forming metal matrix composite bodies such as herein defined, comprising :

forming a preform from a permeable mass of a substantially non-reactive filler;

providing a pool of molten matrix metal such as herein defined;

contacting the preform with the pool of molten matrix metal, such as herein defined; and

spontaneously infiltrating at least a portion of the preform with molten matrix metal.

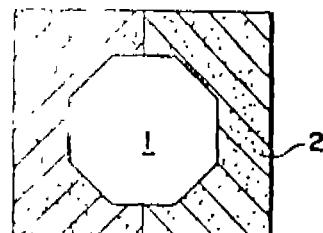


Fig. 1

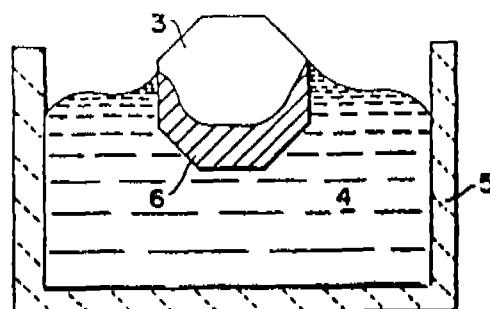
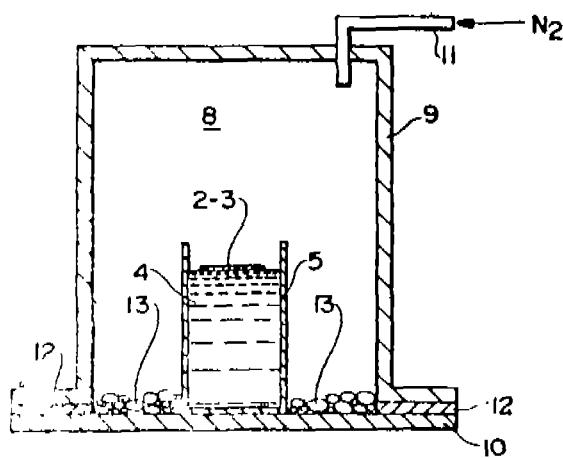


Fig. 3



Cl. 185 C.

173382

Int. Cl. A 23 F 3/00.

"A PROCESS FOR THE MANUFACTURE OF BLACK TEA LEAVES FROM GREEN TEA LEAVES".

Applicant : TEA RESEARCH ASSOCIATION, at 113, Park Street, Calcutta-700016, West Bengal, India.

Inventors : (1) AJIT KUMAR DAS (2) MAHENDRA NATH GOGOI.

Application No. 703/Cal/89 filed on 28th August, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta

3 Claims

A process for the manufacture of black tea leaves from green tea leaves which comprises the steps of withering, maceration by rolling and CTC machines, fermenting the macerated leaves in the presence of air and finally drying the leaves to obtain black tea leaves characterized in that the pH of the leaves are controlled within the range of 4 to 6 by use of buffer consisting of phosphoric acid and ascorbic acid, the amount of phosphoric acid being 1 to 10 times more than that of the ascorbic acid by mole a ded after the withering of the tea leaves or during the step of maceration or fermentation.

Compl. Specn. : 8 pages.

Drgns. : Nil.

Cl. : 69 N

173383

Int. Cl. : H 01 H 33/12.

LOW VOLTAGE CIRCUIT BREAKERS.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors :

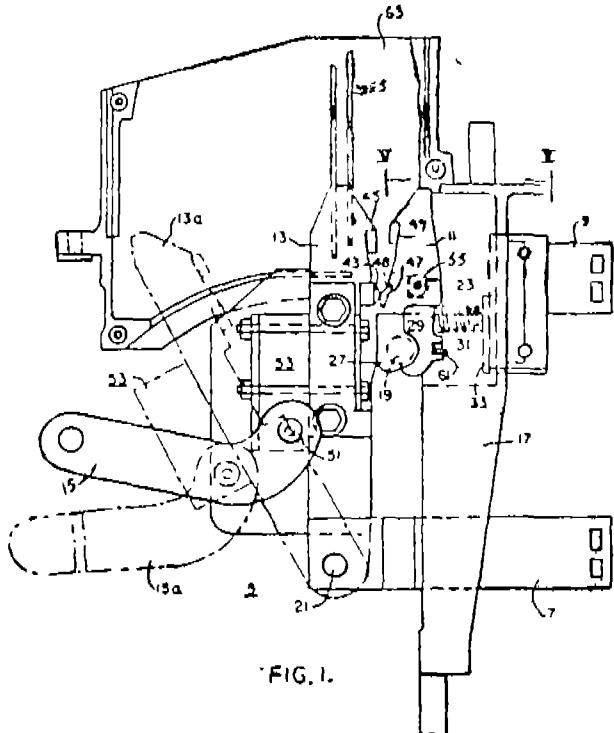
- (1) NORMAN DAVIES.
- (2) WALTER VISTOR BRATKOWSKI.
- (3) DAUN BHASAVANICH.

Application No. 858/Cal/89 filed on 17th October 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

6 Claims

A low voltage circuit breaker (5) comprising a breaker structure (17) comprises first and second main contacts (43, 47) and first and second arcing contacts (45, 49), the first and second main contacts and arcing contacts being movable between open and closed positions, an operating releasable mechanism (15) for releasably opening the contacts, a first contact arm (13) carrying the first main and arcing contacts (43, 45) and pivotally mounted at a first pivot (21) characterised in that a second contact arm (11) carrying the second arcing contact (49) and pivotally mounted at a second pivot (19), a third contact arm (23) carrying the second main contact (47) and pivotally mounted at the second pivot (19), a trip structure for latching the releasable mechanism (15) in the closed contact position and for releasing the mechanism to coat with the first contact arm (13), bias means (29, 31) for yieldingly retaining the main contacts closed below a predetermined overcurrent rating, and the bias means operating during opening motion to bias the second and third contact arms (11, 23) for successively closing the arcing contacts (45, 49), opening the main contacts (43, 47) then opening the arcing contacts (45, 49), and that the arcing contacts (45, 49) are in the open position when the main contacts (43, 47) are in the closed position.



Inventors : KAZUFUMI MATSUI

Application No 982/Cal/89 filed on 28th November 1989

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta

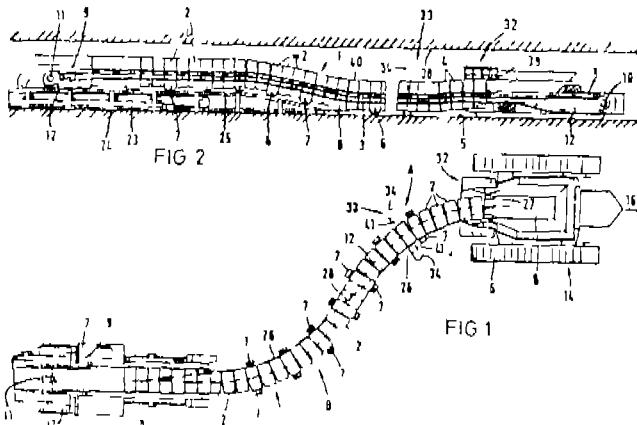
4 Claims

A fastener of the kind for a wrapping bag, said fastener comprising a pair of fastener elements which are engageable with each other, wherein

each said fastener element has at least a portion which is made of 50—100% ethylene vinyl acetate copolymer resin containing 1 to 9% vinyl acetate by weight, and 99 to 91% ethylene, and having a melt index 0.5 to 6.0 g/10 minutes, balance, 50 to 0%, being another resin e.g. one of low density polyethylene resin, high density polyethylene resin and straight chain polyethylene resin, said portions being adapted to be welded to a bag body.

FIG. 1(A)

in the conveyor line, side abutments being provided to limit said lateral freedom of movement



Compl Specn 20 pages

Drgns 2 sheets



Compl Specn 20 pages.

Drgns 2 sheets

Cl : 116 C

173386

Int Cl : B 65 G 21/00, 21/16.

CURVABLE CHAIN SCRAPER CONVEYOR

Applicant : UNTERTAGE MASCHINENFABRIK DUDWEILER GMBH, OF IM TIFRBACHTAL 28—36, D-6602 DUDWEILER/SAAR, WEST GERMANY.

Inventors :

- (1) TEJA ROSTOWSKI
- (2) SLOBODAN HAJDUK-VEJKOVIC
- (3) LUDWIG SCHLOSSER

Application No 28 Cal/90 filed on 8th January 1990

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta

22 Claims

A curvable chain scraper conveyor adapted to be bodily movable in its longitudinal direction, comprising

a conveyor line having segments linked together so as to withstand longitudinal pull while allowing curving of the conveyor line;

a scraper chain drivable in a conveying run provided by the conveyor line, and

machine frames at the ends of the conveyor line, having means for driving the scraper chain,

the end regions of the conveyor being connected to one another by a tension element extending along the conveyor line and having lateral freedom of movement relative to it whereby the tension element lies towards the inside of any curve

Cl : 98 D

173387

Int Cl : F 28 D 1 00

AMMONIA SYNTHESIS CONVERTER EFFLUENT HEAT EXCHANGER

Applicant : C F BRAUN INC, AT 1000 SOUTH FREMONT AVENUE, ALHAMBRA, CALIFORNIA 91802-3900, UNITED STATES OF AMERICA

Inventors :

- (1) BERNARD J GROTH
- (2) CLIVE R GOOD

Application No 230/Cal/90 filed on 20th March 1990

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta

15 Claims

Ammonia synthesis converter effluent heat exchange apparatus, comprising

a feed-effluent exchanger comprising a first tubular exchanger section including a bundle of heat exchange tubes supported within said feed-effluent exchanger portion; and

a high temperature heat sink comprising a second tubular exchanger section including a bundle of heat exchange tubes;

characterised in that the heat exchange apparatus further comprises a shell said first tubular exchanger section heat exchange tubes and said second tubular exchanger section heat exchange tubes being situated within said shell,

a tubesheet separating said feed effluent exchanger from said high temperature heat sink, said first tubular exchanger section heat exchange tubes terminating in said tube sheet such that said high temperature heat sink is directly connected in series to said feed effluent exchanger; and

a protective shield interposed between said shell and said second tubular exchanger section heat exchange tubes for protecting said shell in said high temperature heat sink near to said tube sheet,

face are smaller than 100 mr/g. porosity between 0.2 and 0.4 cc/g, pore volume distribution such that over 50% of the pores have a radius greater than 200 Å and presenting an X-ray spectrum with a halo with maximum intensity between angles 2 θ of 33.5° and 35° and showing no reflections at 2 θ of 14.95°; said catalysts having Al/Ti ratio between 10 and 200 and silane/Al molar ratio between 1/5 and 1/50; said process being carried out at a temperature between 40 and 90°C, for a period of time in every stage between 30 minutes and 8 hours, in liquid or gas phase.

Compl. Specn. 26 pages.

Drgns. 2 sheets

Cl. 32 F3a — 55 E₄.

172389

Int. Cl. : C 07 D 311/72.

PROCESS FOR OBTAINING TOCOL PRODUCTS FROM BIOLOGICAL SOURCE.

Applicant : PFNTAD FOODS INTERNATIONAL, LTD. OF 8300 NORTH HAYDEN ROAD SUITE 209 SCOTTSDALE, ARIZONA 85258 UNITED STATES OF AMERICA.

Inventors :

- (1) KENNETH WAYNE BECKER.
- (2) DAN MICHAEL WELLS.
- (3) ASAIF ALI QURESHI.
- (4) RONALD HOWARD LANE.

Application No. 748/Cal/91; filed on 04th October 1991.

Appropriate Office for Opposition Proceedings, (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

24 Claims

A process for obtaining Tocol products, such as herein described, from biological source, such as herein described, comprising stabilizing the biological source in order enhance the content of the Tocol products recoverable from said biological source, by dry heat stabilization in the manner such as herein described, optionally followed by wet heat stabilization in the manner such as herein described, and recovering the Tocol products from said stabilized biological source in the manner such as herein described.

Compl. Specn. 42 pages.

Drgns. 3 sheets

Cl. 32 F 2; 55 E 4

173390.

Int. : Cl. C 07 D 213/56, 213/79; 213/81

A61K 31/16

"A METHOD FOR REDUCTIVE AMINATION OF AN AMINO ACID OR OF AN AMINO ACID DERIVATIVE WITH AN - KETO ACID OR AN KETO ACID DERIVATIVE".

Applicant : DEGUSSA AKTIENGESELLSCHAFT, of 6000 Frankfurt Am Main, Weissfrauenstrasse 9, Federal Republic of Germany.

Inventors . (1) MATTHIAS KOTTFENHAHN, 2) KARLHEINZ DRAUZ, (2) HORST HARR.

Application No. 440/Cal/92; filed on 22nd June, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta

14 Claims

A method for reductive amination of compound comprising a primary amine function with compound comprising

a Ketone function such as herein described in an inert solvent in the presence of a hydrogen catalyst and hydrogenation agent such as herein described as well as optionally under the removal of water, the improvement in which the reductive amination is carried out in the presence of an excess base added in an amount of 0.01 to 5 molal equivalent to the said primary amine function comprising compound.

Compl. Specn. 19 pages.

Drgns. Nil.

Ind. Cl. : 55 B 3 XIX (1)

173391

Int. Cl. : C 12 P - 17/02

Title : A PROCESS FOR THE PRODUCTION OF NEW ANTI-FUNGAL ANTIBIOTICS M 87 1563 A AND M 87 1563 B FROM A STREPTOMYCETS SPECIES Y-85, 21242 (CULTURE NUMBER HOECHST INDIA LIMITED Y-85, 21242), ITS MUTANTS OR VARIANTS.

Applicants : M/S. HOECHST INDIA LIMITED, HOECHST HOUSE, NARIMAN POINT, 193 BACBAY RECLAMATION, BOMBAY 400 021, MAHARASHTRA INDIA, AN INDIAN COMPANY.

Inventors :—(1) SURESH RUDRA NADKARNI (2) LOUIS ERNEST LINUS COUTINHO (3) SIBENDU DE (4) BIMAL NARESH GANGULI (5) JURGEN BLUMBACH (6) HANS WILFRAM FEHLHBER (7) BURKHARD SACHSE (8) PETER BRAUN.

Application No. : 10/Bom/1991 filed on 11-01-1991.

Complete after provisional left on 06-02-1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patents Office Branch, Bombay-13.

5 Claims

A process for the production of new antifungal antibiotics M 87 1563 a and M 87 1563 B from a Streptomyces species Y-85, 21242 (Culture number Hoechst India Limited Y-85, 21242), its mutants or variants comprising cultivating said Streptomyces species Y-85 21242, its mutants or variants by fermentation under aerobic conditions in a nutrient medium herein described at 28 (± 1) to 30 (± 1)°C and pH 6 to 8 and isolating and purifying the antibiotics from the culture broth.

Prov. Specn. 13 pages

Drgns. Nil

Comp Specn. 32 pages

Drgns. 4 Sheets.

Cl. 32 F 2; 55 E 4

173390.

Int. : Cl. C 07 D 213/56, 213/79; 213/81

A61K 31/16

Ind. Cl. : 205 A GR (LVI)

173392

Int. Cl. : B 60 C-5/20

AUTOMOTIVE TUBE WITH MULTI AIR CHAMBER AND VALVES.

Applicants : AMARNATH NILKANTH JUNNARKAR, AN INDIAN SUBJECT AND THE RESIDENT OF, DESAI-COTTAGE, PLOT NO 49, BLOCK NO. 4, DR. M. B. RAUT ROAD, SHIVAJI-PARK, BOMBAY 400028.

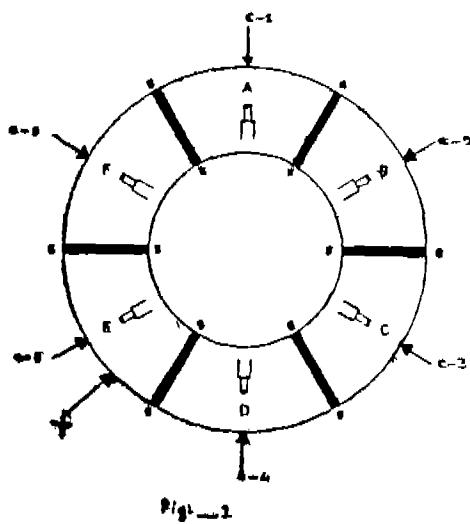
Inventor : AMARNATH NILKANTH JUNNARKAR.

Application No. 86/BOM/91 filed on Mar 22, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

2 Claims

An Automotive tube with multi air chambers and valves, consisting of a tube made of natural rubber and/or synthetic rubber, the said tube being provided with a plurality of partitions to form a number of air chambers and each of the said air chamber being fitted with an air valve.



Comp. Specn. 4 pages.

Drgns. 2 sheets.

Ind. Cl : 32 F2(b) [IX (1)]
55 E2 F4 [XIX (1)]

Int. Cl : C 12 P-17/12.

A PROCESS FOR THE PRODUCTION OF NOVEL ANTIBIOTIC PHENCOMYCIN FROM A NEW STREPTOMYCES SPECIES CULTURE NUMBER HIL Y-90, 31725, ITS VARIANTS OR MUTANTS.

Applicants :—HOECHST INDIA LTD., HOECHST HOUSE, NARIMAN POINT, 193 BACKBAY RECLAMATION BOMBAY-400 021, MAHARASHTRA, INDIA.

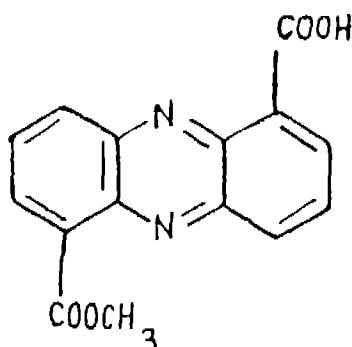
Inventors :—(1) DR. CHRISTOPHER MILTON MATHEW FRANCO, (2) RAJKUMAR MAURYA, (3) DR. SUGATA CHATTERJEE, (4) DR. BIMAL NAresh GANGULI, (5) DR. JURGEN BLUMOACH.

Application No. 109/BOM/1991. Filed APR. 19, 1991.
Comp. after Prov. left—MAY 29, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, Bombay-13.

6 Claims :

A process for the production of novel antibiotic phencomycin of the formula I of the drawings accompanying this specification from a new Streptomyces species culture number HIL Y-9031725, its variants or mutants which comprises cultivating said Streptomyces species culture, this variant or mutants by fermentation under aerobic conditions in an aqueous medium herein described at 18 to 40°C and pH 6 to 9 and isolating and purifying said phencomycin from the culture broth.



FORMULA I

Comp. specn., 16 pages.
Prov. specn., 14 pages;Drgns. 1 sheet.
Drgns. 4 sheets.

Ind. Cl : 50 D [VII (1)]

173394

Int. Cl : A 47 D - 3/04

C 07 C - 67/00

A LUBRICANT/WORKING FLUID COMPOSITION FOR MECHANICAL VAPOUR COMPRESSION TYPE HEAT TRANSFER DEVICES.

Applicants : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY 400 020.

Inventors : (1) THOMAS FRIEDRICH BUNEMANN (2) ROBERTUS WILHELMUS PIERIK

Application No. : 151 BOM/91 filed on 23-05-91.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

7 Claims

A lubricant/working fluid composition for mechanical vapour compression type heat transfer devices wherein the working fluid is chlorine-free and the lubricant is an ester mixture consisting of polyol esterified exclusively with carboxylic acid of at least 4 carbon atoms, which carboxylic acid comprises monoarboxylic acid selected from the group consisting of straight chain acids containing 4 to 5 carbon atoms and branched chain acids containing 4 to 8 carbon atoms, with the proviso that the ester mixture contains esters of a mixture of said noncarboxylic acids or contains incompletely esterified polyol in an amount up to 15% by weight of the ester mixture, the ester mixture being miscible with the working fluid at a level of 10% over a temperature range of -50°C to + 80°C and having a viscosity of from 5 to 100 cSt measured at 40°C.

Comp. Specn. 12 pages.

Drgns. Nil.

Ind. : Cl. : 198 B Gr. [XXXIV (5)]

173395

Int. Cl. : B01D-11/00.

BO 3B-7/00.

A METHOD FOR MANUFACTURING A GOOD DISPERSION OF TWO DIFFERENT SOLUTION IN A LIQUID-LIQUID EXTRACTION IN A CONTROLLED FASHION AND FOR MAKING A GOOD SEPARATION THEREOF AND AN APPARATUS FOR CARRYING OUT THE SAID METHOD.

Applicant : OUTOKUMPU OY, A FINNISH JOINT-STOCK COMPANY, OF LANSITUULENTIE 7A, 02100 LSPOO, FINLAND.

Inventors : (1) BROR GORAN NYMAN
(2) STIG-FRIK HULTHOLM
(3) LAUNO LEO LILJA
(4) VALTO JOHANNES MAKITALO.

Application No. 167 BOM/91 filed on 6-6-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, Bombay-13.

15 Claims

A method for manufacturing a good dispersion of two different solution phases in a liquid-liquid extraction in a controlled fashion and for making a good separation thereof, characterised in that the phases to be dispersed are mixed to each other prior to bringing them to the mixer unit of the extraction step, that the mixer contents are set to vertical circulation by means of a stirrer rotating at a low circumferential speeds, so that the phases to be dispersed flow from bottom to top on the mixer circumference and are at the surface smoothly turned towards the center, and from the center down again; that the dispersion is continuously discharged as overflow into the presettler space surrounding the mixer, in which presettler space the flow rate of the dispersion is made to fluctuate and thus small droplets are made to collide and coalesce into larger drops; that the dispersion,

partly clarified in the presettler, is made to be discharged from the presettler as a wide flow into the settler, the length whereof is at the most as great as its width, in which case the layers of clarifying phases can be maintained thin, and consequently clear solutions obtained.

(Comp. Specn. 16 pages; Drawings. 6 sheets)

Ind. Cl. : 128 G, I, A. GR [XIX(2)]

173396

Int. Cl. : A 61 F-13/20.

An INFLATABLE POLYTHENE NASAL TAMпон.

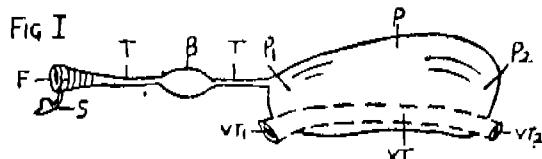
Applicant & Inventor : DR. ADITYA RAMCHANDRA KAMAT, KAMAT BUILDING, 481 V. S. ROAD, PRA-BHADEVI, BOMBAY-400 025 MAHARASHTRA, INDIA.

Application No. 173 BOM 1991 filed on 12th June, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, Bombay-13.

3 Claims

1. An inflating polythene nasal tampon comprising of an airtight thin elongated polythene bag or tampon having a narrow anterior end and a broad posterior end, an air inserting tube having a balloon in its middle portion and a funnel at free end being fixed at the upper part of the anterior narrow end of the said tampon, a stopper being provided at the said free funnel end of the said air inserting tube, a flat and curved ventilation tube being fixed at the lower part of the said tampon passing through its whole length with its two ends projecting out from the anterior end and the posterior end of the said tampon respectively.



(Comp. Specn. 11 pages; Drawgs. 1 sheet)

Ind. Cl. : 98 G [VII (2)]

173397

Int. Cl. : B 21 D-53/02.

AN IMPROVED RECUPERATIVE HEAT RECOVERY SYSTEM.

Applicant & Inventor : SHIV PRASAD SOOD, 210/2, GERA CHAMBERS, KOREGAON PARK, PUNE-411 001, MAHARASHTRA STATE INDIA.

Application No. 187/BOM/91 filed on 27-6-91. Complete after Provisional left on 25-9-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, Bombay-13.

1 Claim

An improved recuperative heat recovery system comprising a plurality of sets of chambers, each set comprising two chambers separated by a middle wall, an inlet for cold air provided by a blower, an inlet for hot flue gases, an outlet for hot air and another outlet for cooled flue gases passing out a chimney, a lower chamber below the said set of chambers; each set comprises two independent vertical box type refractory walled chambers, characterised in that one of the chambers on entry side of the flue gas is larger in dimensions at cross-section while the second adjacent chamber is smaller in dimensions at cross-section than the first one such that the first chamber is having bigger volume than the second one; the said chambers are separated by a middle wall of refractory material, there being provided the cross passages at the lower end of the said refractory middle wall, the flue gases passing downwards through flue tubes suddenly

expand when they enter the lower chamber and turn, as a result of which the solid particles get dropped at the bottom at the said lower chamber; the gases further travel towards the second chamber and rise in the vertical flue tubes to pass out as cooled flue gases to chimney; cooled air obtained from blower enters the said recuperator and gathers heat and passes out as hot air to the furnace thereafter.

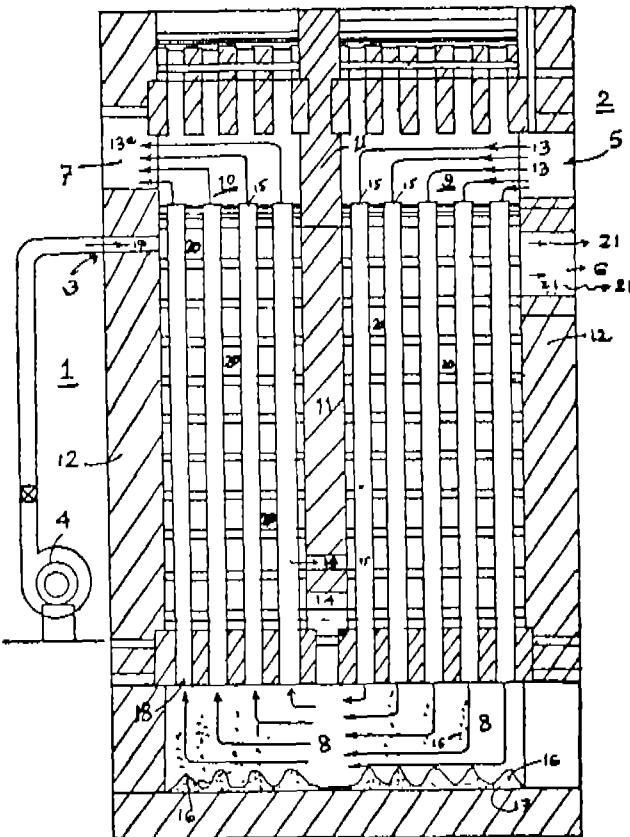


FIG 1

(Provisional Specn. 5 pages;

(Comp. Specn. 6 pages;

Drawgs Nil)

Drawgs 1 sheet)

Ind. Cl. : 129 C, Gr [XXXV]

173398

Int. Cl. : B 23 B-41/00.

HIGH SPEED HIGH PRECISION BENCH TYPE DRILLING-CUM-BEVELING MACHINE.

Applicant : PANDIT RUPLA PATIL, AN INDIAN CITIZEN 98-A/16, HARDASPAR INDUSTRIAL ESTATE PUNE-411 013, MAHARASHTRA, INDIA.

Inventor : PANDIT RUPLA PATIL,

Application No. 188/BOM/91 filed on 27-6-1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent office, Branch, Bombay-13.

3 Claims

High speed high precision bench type drilling-cum-beveling machine according to this invention comprises a fixed table 1 carrying a detachably mountable tiltable table assembly 70, said fixed table 1 carries a detachably fixed pillar 2 at its rear center and means at its front end for fixing side brackets of said tiltable table assembly 70, said pillar 2 carries a slidably mounted adjustable bracket 4 mounted respectively on a lead screw 50 and a bush 10 for adjusting its height with respect to said fixed table 1, front end of said bracket 4 carries a fixed body 56 of spindle assembly 55 carrying a pulley block 15 at

its top and rear end of said bracket carries an electric motor 36 fitted with a pulley block 37, said two pulley blocks being linked to each other by nylon or like power transmission cord 38; said fixed body 56 of spindle assembly 55 carries a pair of ball bearings 13-14 fitted on a bush bearing 12 fitted at top of a slidably mounted spindle 8 mounted in a slide bush 37 fitted with two ball bearings 7-6 and carrying a wheel 58 worked by a pinion 19 fitted with a hand level 22 for vertically lifting/lowering said spindle 8 with respect of said fixed table 1; scale ring 28 with an Allen screw 29 and adjustable stopper means 30 for finally adjusting the vertical travel of said spindle 8 with respect to said fixed table 1 or with respect to the angle of said tiltable table assembly 70 on said work table 1 for carrying out high precision high speed drilling or beveling jobs at speeds varying from 40000 to 20,000 rpm.

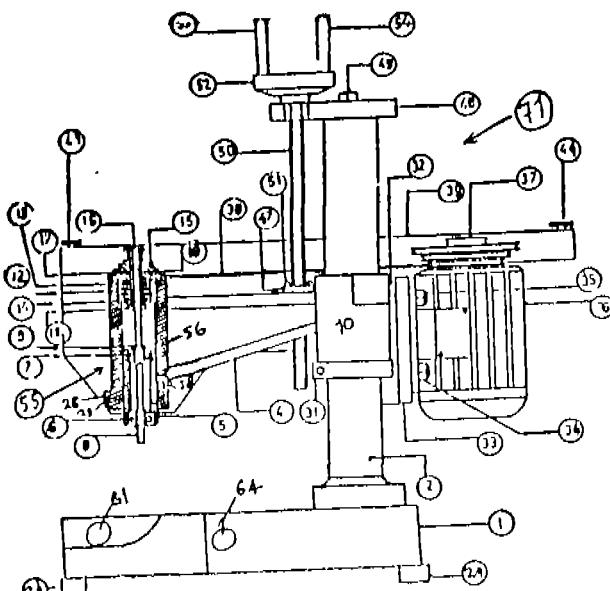
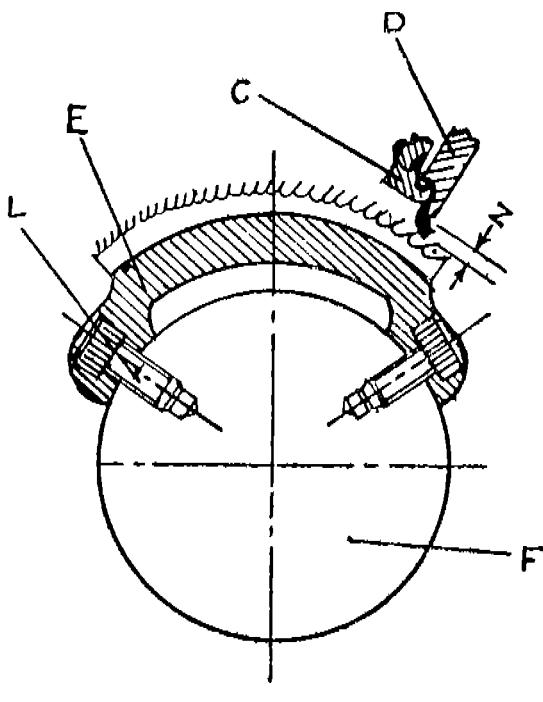


FIG. 3

Comp. specn., 133 pages.

Drawing Seven sheets.

throughout the entire functional arc of the half-lap and between heads and the combing segment angle of the said half-lap being made 90 degree to incorporate predetermined additional rows of needles.



(2a)

Prov. Specn. 9 pages.

Comp. specn. 10 pages.

Drawings 4 sheets.

Drawing N.u.

Ind. Cl. : 172 C 2;

173399

173400

Int. Cl. D01G-19/04:

Ind. Cl. : 164 C [II (3)]

Int. Cl. : C02 F, 11/06

HALF-LAP FOR A CIRCULAR COMBING MACHINE.
Applicants : AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION, A SOCIETY REGISTERED UNDER THE SOCIETIES REGISTRATION ACT, XXI, OF 1860, OF P.O. POLYTECHNIC, AHMEDABAD-380015, GUJARAT.

DETOXIFICATION AND PURIFICATION OF INDUSTRIAL WASTE WATER (AND WATER SOURCES)

Inventors : 1. KIRTIKUMAR HARILAL PANCHAL,
2. PIYUSHKUMAR HARSHADHBHI SHAH.

Applicants : AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION, P.O. POLYTECHNIC, AHMEDABAD-380 015, GUJARAT, INDIA.

Application No. 234/BOM/91, filed on 13-8-91.

Inventors : 1. MIAN SURESHCHANDRA DAVE 2. SHAILESH RASIKCHANDRA BHATT

Complete after provisional left on 28-4-92.

Application No. 289/BOM/1991 filed OCT 7, 1991

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent office, Branch Bombay-13.

Complete after provision left, Dec 23, 1991.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

7 Claims

6 Claims

A half-lap for a circular combing machine for producing fine and superfine combed cotton yarns comprising a bare half-lap, predetermined number of equidistanted slis provided on the surface of said bare half-lap for fitting needle strip of different densities as herein described from coarser to finer, adjustment means provided on the said bare half-lap for not only achieving half-lap to setting closer but also even

Process for detoxification and purification of industrial waste water comprising generating molecular oxygen in electronically excited state, referred to as "single molecular oxygen" *in situ* in said waste water by adding oxidising agents NaOCl and H₂O₂ in a predetermined quantity in waste to be treated at ambient temperature and pressure.

Complete specification 8 pages.

Drawing Nil

Provisional specification 5 pages.

Drawing Nil

ENDORSEMENT OF PATENTS WITH THE WORDS
"LICENCE OF RIGHT" UNDER SECTION 87 OF THE
PATENTS ACT, 1970.

169735	169737	169861	169923	170088	170090	170725
170939	170958	170977	171039	171061	171078	171087
171138	171488	171657	171827	171864	171920	171945

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158520	161800	164053	164789	164936	165256	165391
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166853	166858	166862	166876	166888	166889	166896
166906	166945	166958	166960	166966	166998	

PATENT SEALED

ON 25-03-1994.

172015*	172018	172020	172022	172028	172029	172030*
172031	172032	172040*	172041	172042	172044	172046
172047	172048*	172051*	172052*	172053*	172054*	

CAL—04, MAS—00, BOM—03 & DEL—13

Patent shall be deemed to be endorsed with the words
LICENCE OF RIGHT under section 87 of the Patents
Act, 1970 from the date of expiration of three years from
the date of sealing.

D : DRUG PATENT; F : FOOD PATENT

RENEWAL FEES PAID

152086	154601	157860	157976	158768	159985	160158
160801	161008	161009	161466	161811	161927	162212
162403	162560	162925	163524	164339	164363	164670
164785	164906	165244	165329	165367	165371	165535
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167478	168002	168223	168270	168516	168924	168993
168994	169003	169004	169033	169493	169496	169734

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Sec. 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration included in the entries :

Class 1. Nos. 166376 & 166377. Karikkada Chinnapan Yesudas, Indian of 81, Joy House, Behind BEST Dept., CST Road, Kurla, Bombay-400 070, Maharashtra, India. "Single Plate Stove"/Two plate stove". October 18, 1993.

Class 3. No. 166036. Shaw Wallace & Company Limited, 4, Bankshall Street, Calcutta-700 001, W. B., India. "Bottle". August 13, 1993.

Class 6. No. 165124. Delsey, Society (Societe Anonyme) of 23, rue Saint Andre 93012, Bobigny, France "Suitcase". December 18, 1992.

Class 11. No. 166687. Viraj Overseas Pvt. Ltd., Indian Company of 7/8, Roop Nagar, Delhi-110 007, India. "a set of suit". January 12, 1994.

Class 13. No. 165299. Mrs. Neeru Kumar of E-9/10, Vasant Vihar, New Delhi-110 057, India, Indian. "Woven Table Cloth". February 9, 1993.

Class 13. No. 165300. Mis. Neeru Kumar of E-9/10, Vasant Vihar, New Delhi-110 057, India, Indian. "Woven Table Cloth". February 9, 1993.

Class 13. Nos. 165777 to 165779. Indian Handicrafts, 24-Nehru Place, New Delhi-110 019, India, Indian Partnership Firm. "Printed cloth": June 22, 1993.

Class 14. No. 165296. Mrs. Neeru Kumar of E-9/10, Vasant Vihar, New Delhi-110 057, Indian. "Woven cushion covers". February 9, 1993.

Class 14. No. 165298. Mrs. Neeru Kumar of E-9/10, Vasant Vihar, New Delhi-110 057, Indian. "Woven table cloth". February 9, 1993.

Class 14. Nos. 165297 & 165305. Mrs. Neeru Kumar of E-9/10, Vasant Vihar, New Delhi-110 057, Indian. "Woven shawls". February 9, 1993.

R. A. ACHARYA
Controller General of Patents Designs
and Trade Marks

प्रबन्धक, भारत सरकार मुद्रणालय, फरीदाबाद इवारा मुद्रित
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